				ATTY DOCKET NO. F-5076	S	SERIAL NO. Unkn wa			
IN	FORMATION DISCLOSUR (Use several sheets if nece			Herman et al.			, G		
	(**************************************	<b>,</b>		FILING Herewith	G	GROUP Unknown			
		U.S	S. PATENT	DOCUMENTS			# P		
*EXAMINER	DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS	FILING DATI		
PP	4,548,605	10/22/1985	Iwamot	o et al.					
	4,150,744	04/24/1979	Fennim	ore					
	3,876,738	04/08/1975	Marina	ccion et al.					
	4,340,479	07/20/1982	Pall			1			
	4,473,474	09/25/1984	Ostreicher et al.						
1	4,673,504	06/16/1987	Ostreicher et al.						
	4,708,803	11/24/1987	Ostreicher et al.						
	4,711,793	12/08/1987	Ostreicher et al.		/				
	4,900,449	02/13/1990	Kraus et al.						
	4,964,990	10/23/1990	Kraus 6	et al.					
	5,076,935	12/31/1991	Kraus 6	et al.					
		FORE	IGN PATE	NT DOCUMENTS		,			
	DOCUMENT NUMBER	DATE	COUNTRY		CLASS	SUBCLASS	TRANS	LATION NO	
PP	WO95/19199	07/20/95	per i	2190					
				100					
	OTHER DOCUM	IENTS (Includir	ng Author	r, Title, Date, Pertinent	Pages, Etc.)	)			
				-					
EXAMINER	p. Ponnalun			DATE CONSIDERED #	426/00	-			
	nitial if reference considered, whet clude copy of this form with next c			nance with MPEP 609; Drav	v line through ci	tation if not in c	onformance	and not	

#### **INFORMATION DISCLOSURE CITATION**

(Use several sheets if necessary)

	-3 -0 - C				
F-5076 Unknown	F-5076	Unknown			

			Herewith		Un	known	
	· · · · · · · · · · · · · · · · · · ·	U.	S. PATENT DOCUMENTS				
*EXAMINER	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE	
PP	5,108,607	04/28/1992	Kraus et al.				
1	5,536,413	07/16/1996	Bormann et al.				
	5,252,222		Matkovich et al.				
	5,423,989	06/13/1995	Allen et al.				
	5,498,340	03/12/1996	Granger et al.				
	5,601,727	02/11/1997	Bormann et al.				
	5,476,587	12/19/1995	Kuroki et al.				
	5,545,339	08/13/1996	Bormann et al.				
	5,494,592	02/27/1996	Latham, Jr. et al.				
	4,925,572	05/15/1990	Pall				
1	4,246,107	01/20/1981	Takenaka et al.		7		
		FORE	EIGN PATENT DOCUMENTS	_			
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANS	LATION NO
	Ţ.						
	OTHER DOCUM	IENTS (Includii	ng Author, Title, Date, Pertinent	Pages, Etc.)	•	•	
EXAMINER	Povnalun'		DATE CONSIDERED	7/26/0.	2		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

#### ATTY DOCKET NO. SERIAL NO. F-5076 Unknown INFORMATION DISCLOSURE CITATION Herman et al. (Use several sheets if necessary) FILING **GROUP** Herewith Unknown **U.S. PATENT DOCUMENTS** FILING DATE \*EXAMINER CLASS SUBCLASS DOCUMENT NUMBER DATE NAME IF APPROPRIATE INITIAL 08/26/1997 Piechocki et al. 5,660,731 5,639,376 06/17/1997 Lee et al. 10/20/1987 Watanabe et al. 4,701,267 5,102,407 04/07/1992 Carmen et al. 02/07/1995 Fell et al. 5,387,187 04/04/1995 Deniega et al. 5,403,272 03/04/1997 Latham, Jr. et al. 5,607,579 06/11/1991 Nagatomo et al. 5,023,052 4,985,153 01/15/1991 Kuroda et al. Katsurada et al. 5,498,336 03/12/1996 5,298,165 03/29/1994 Oka et al. **FOREIGN PATENT DOCUMENTS** TRANSLATION SUBCLASS DATE COUNTRY CLASS DOCUMENT NUMBER YES NO

DOCUMENT NUMBER

DATE

COUNTRY

CLASS

SUBCLASS

TRANSLATION

YES

NO

OTHER DOCUMENTS. (Including Author, Title, Date, Pertinent Pages, Etc.)

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

P. Ponnahiri

DATE CONSIDERED

7/26/02

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY DOCKET NO.	SERIAL NO.				
F-5076	Unknown				
Herman et al.					
FILING	GROUP				
LILING	0.1001				

		FILING Herewith		GROUP Unkn wn			
		U.S	S. PATENT DOCUMENTS	<u> </u>			
*EXAMINER	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
pn	4,025,618	05/24/1977	Garber et al.	e			
	4,915,683	04/10/1990	Sieber				
	5,089,146	02/18/1992	Carmen et al.				
	5,100,564	03/31/1992	Pall et al.				
	5,229,012	07/20/1993	Pall et al.				
	5,288,403 02/22/1994 Ohno		Ohno				
	5,300,019	04/05/1994	Bischof et al.				
	5,399,268	03/21/1995	Pall et al.				
	5,501,795	03/26/1996	Pall et al.				
	5,512,187	04/30/1996	Buchholz et al.				
<u> </u>	5,536,238 07/16/1996		Bischof				
		FORE	EIGN PATENT DOCUMENTS			· ·	
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
					-		
	OTHER DOCUM	IENTS (Includir	ng Author, Title, Date, Pertinent	Pages, Etc.	)		
				_			
EXAMINER /	Ponnaluri		DATE CONSIDERED	126/02			

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

P09C/REV03

# INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)

ATTY DOCKET NO.	SERIAL NO.			
F-5076	Unknown			
Herman et al.				
	000110			
FILING	GROUP			

	(Use several sheets if nece	ssary)		Herman et al.		ROUP		
				FILING Herewith			ıknown	
		U.S	S. PATENT	DOCUMENTS				
*EXAMINER	DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS	FILING DAT	
PP	5,545,516	08/13/1996	Wagner	<b>r</b>	<u></u>			
	5,549,834	08/27/1996	Brown					. <del></del>
	5,591,337	01/07/1997	Lynn et	t al.				
	5,290,221	03/01/1994	Wolf Jr	·. et al.				
	5,527,472	06/18/1996	Belloti et al.					
	4,396,382     08/1983       4,439,179     03/1984		Goldhaber					
			Lueder	s et al.				
	4,767,541	08/1988	Wisdon	n			- - -	
	4,997,577	03/1991	Stewart	t				
	5,092,996	03/1992	Spielbe	rg				
V	5,126,054	06/1992	Matkovich			<del>-</del>		
		FORE	IGN PATE	NT DOCUMENTS				
	DOCUMENT NUMBER	DATE	COUNTRY		CLASS	SUBCLASS	TRANS	LATION NO
	OTHER DOCUM	ENTS (Includin	ng Author	r, Title, Date, Pertinent i	Pages, Etc.)	<del></del>		
						****		
EXAMINER	P. Ponnalun'			DATE CONSIDERED 7	126/02			
*EXAMINER: In	nitial if reference considered, whether	ner or not citation is	in conform	nance with MPEP 609; Draw	line through cit	tation if not in c	onformance	and not

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

## INFORMATION DISCLOSURE CITATION

Docket Number (Optiona	Application Number		
F-5076	Unknown		
pplicant(s)			
Applicant(s) Herman et al.			
Filing Date	Group Art Unit		

	1111	(Use several sheets if necess			Herman et al.				
	Filing Date Herewith						Group Art Unit Un	known	-
			•	U.S. PAT	ENT DOCUMENTS	<del>i.</del>			-
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS		G DATE OPRIATE
PP		5,128,048	07/1992	Stewart	et al.				
		5,180,504	01/1993	Johnson	ı et al.				
		5,217,627	06/1993	Pall et a	il.				
1		5,269,946	12/1993	Goldha	ber et al.				
					. —				
		·	_	FOREIG	N PATENT DOCUMENT	rs		<u> </u>	
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Tran: YES	slation NO	
_									
				OTHER	DOCUMENTS (Includi	ing Author, Title, L	ate, Pertinent Pa	ges, Etc.)	
EXAMINE	R P	· Ponnalun'			DATE CONSIDERED	7/26/02			

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.